| Ref | Hits      | Search Query  | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|-----|-----------|---|--|---------------------|---------|------------------|
| L5  | 28        | (("20070053495") or<br>("20070086571") or<br>("20040213378") or ("6674837") or<br>("6760407") or ("7218700") or<br>("7203269") or ("6438207") or<br>("5014289") or ("4670894") or<br>("4203036") or ("4274005") or<br>("5633907")).PN.                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/11/18 18:38 |
| L6  | 4         | 5 and (grid with wire)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/11/18 16:39 |
| L7  | 0         | (10/554975).APP.  | USPAT;<br>USOCR  | OR                  | ON      | 2007/11/18 16:39 |
| L8  | 7694<br>· | (378/4,9,10,12,14,91-93,98.6,101,<br>113-116,119,121,122,124,134-139,<br>145,146).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/11/18 16:41 |
| L9  | 17        | 8 and (emitter and (grid with wire))  | USPAT;<br>EPO; JPO;<br>DERWENT   | OR .                | ON      | 2007/11/18 16:41 |
| L10 | 30        | (("20070053495") or<br>("20070086571") or<br>("20040213378") or ("6674837") or<br>("6760407") or ("7218700") or<br>("7203269") or ("6438207") or<br>("5014289") or ("4670894") or<br>("4203036") or ("4274005") or<br>("5633907") or ("5259014")).PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | OFF     | 2007/11/18 18:38 |
| L11 | 21        | 10 and (focus or focusing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2007/11/18 18:38 |
| L12 | 3         | x-ray and (((extraction or<br>extracting) with grid) with (align or<br>aligned or arrange or arranged or<br>arranging) with (focus or (focusing<br>adj element)))   | USPAT;<br>EPO; JPO;<br>DERWENT   | OR                  | ON      | 2007/11/18 19:00 |

| L13 | 1   | x-ray and (((extraction or extracting) with grid) same ((focus or focusing) near5 wire)) | USPAT;<br>EPO; JPO;<br>DERWENT   | OR | ON   | 2007/11/18 21:19 |
|-----|-----|--|--|----|------|------------------|
| L14 | 3   | x-ray and (emitter adj pad)  | USPAT;<br>EPO; JPO;<br>DERWENT   | OR | ON · | 2007/11/18 21:20 |
| L15 | 1   | 8 and ((emitter with pad) same<br>((insulating or insulator) with<br>block))             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:21 |
| L16 | 1   | 8 and ((emitter with pad) same (insulating or insulator))                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:21 |
| L17 | 1   | "20070053495".pn. and (emitter adj<br>pad)   | US-PGPUB   | OR | ON   | 2007/11/18 21:24 |
| L18 | 1   | (nickel with emitter with pads with oxide)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:24 |
| L19 | 165 | (nickel with emitter with oxide)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:25 |
| L20 | 54  | (nickel with emitter with oxide) same (insulating or insulator)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:25 |
| L21 | 1   | "378"/\$.ccls. and (nickel with emitter with oxide) same (insulating or insulator)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/18 21:25 |

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|-----|----|--|--|----|----|------------------|
| L22 |    | "378"/\$.ccls. and ((nickel with emitter with oxide) same (insulating or insulator))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:26 |
| L23 | 2  | "378"/\$.ccls. and ((nickel with<br>emitter) same (insulating or<br>insulator))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:27 |
| L24 | 1  | "378"/\$.ccls. and ((emitter with pad) same (insulating or insulator))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:28 |
| L25 | 25 | x-ray and ((emitter with pad) same (insulating or insulator))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:34 |
| L26 | 24 | 25 not 23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:28 |
| L27 | 1  | x-ray and ((emitter near4 pad)<br>same (insulating or insulator)) and<br>(heater or (heater adj coil)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 23:05 |
| L28 | 24 | x-ray and ((emitter near4 pad) same (insulating or insulator))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/11/18 21:35 |

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|-----|----|---|--|---------------------------------------|----|---------------------------------------|
| L29 |    | x-ray and ((emitter near4 pad)<br>same (insulating or insulator)) and<br>electrons  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2007/11/18 21:36                      |
| L30 | 4  | (x-ray adj (tube or source)) and ((emitter near4 pad) same (insulating or insulator)) and electrons   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2007/11/18 21:36                      |
| L31 | 69 | ("3982147"   "4008412"   "4163949"   "4325084"   "4554564"   "4574216"   "4578614"   "4663559"   "4721885"   "4728851"   "4827177"   "4835438"   "4916356"   "4940916"   "4956574"   "5053673").PN. OR ("5144191"). URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR                                    | ON | 2007/11/18 22:58                      |
| L32 | 0  | 31 and "378"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR                                    | ON | 2007/11/18 22:58                      |
| L33 | 0  | 31 and "378"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2007/11/18 22:58                      |
| L34 | 0  | x-ray and (electron with (emit or<br>emitter or emitted)) and heater and<br>(AIN with emitter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;            | OR                                    | ON | 2007/11/18 23:06                      |
|     | j  |   | IBM_TDB  |                                       |    |                                       |
| L35 | 2  | x-ray and (electron with (emit or<br>emitter or emitted)) and heater and<br>(AIN with (emitter or emitting))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                                    | ON | 2007/11/18 23:06                      |

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|---------------------------------------|------|---|--|----|------|------------------|
| S1                                    | 534  | "Morton-Edward-James." "in."  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON . | 2007/11/17 18:14 |
| S2                                    | 0    | S1 and (electron adj source) and (X-ray adj scanner)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/17 18:15 |
| S3                                    | 4    | S1 and x-ray  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/17 18:14 |
| S4                                    | 21   | Morton-Edward-James.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/17 18:15 |
| S5                                    | 3    | S4 and (electron adj source) and (X-ray adj scanner)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/17 18:19 |
| S6 .                                  | 7694 | (378/4,9,10,12,14,91-93,98.6,101,<br>113-116,119,121,122,124,134-139,<br>145,146).CCLS.         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF  | 2007/11/18 16:41 |
| S7                                    | 1809 | (electron near2 source) and (x-ray near2 scanning) grid and (electron with source with regions) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON   | 2007/11/17 18:22 |

| S8    | 125 | S6 and S7   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/11/17 19:28 |
|-------|-----|---|--|----|-----|------------------|
| S9    |     | ("6760407").PN.   | USPAT;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2007/11/17 18:39 |
| S10   | 4   | (("4274005") or ("5259014")).PN.                                    | USPAT;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2007/11/17 19:28 |
| S11 . | 2   | ("5633907").PN.   | USPAT;<br>EPO; JPO;<br>DERWENT   | OR | OFF | 2007/11/17 19:28 |
| S12   | . 8 | ("4730353"   "5077777"  <br>"5170422").PN. OR ("5633907").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/11/17 20:33 |
| S13   | 4   | (("20040146143") or ("5105456")).<br>PN.                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/17 20:33 |